## EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------|-----|------------------|---------|------------|
| L1 | 4640 | liner and ((deposit$3 or etch$3 ) near3 (chamber or reactor or vessel or container)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2008/03/17 15:10 |
| L2 | 361 | 1 and (acoustic or vibration) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2008/03/17 15:11 |
| L3 | 2802 | (acoustic or vibration) same liner | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2008/03/17 15:11 |
| L4 | 15 | 3 and ((deposit$3 or etch$3 ) near3 (chamber or reactor or vessel or container)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2008/03/17 15:11 |
| L15 | 2903 | (quartz) with (exhaust or foreline or outlet) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/17 17:10 |
| L16 | 321 | 15 same (particle or dust or contamination) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/17 17:11 |
| S19 | 2421 | (118/723e.ccls. or 118/723er.ccls. or 156/345.43-345.47. ccls.) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/29 09:05 |
| S20 | 2624 | 141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/29 09:05 |
| S21 | 8181 | 137/262-264.ccls. or 137/454.2 or 137/560. ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07. ccls. or 137/602.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/29 09:05 |
| S22 | 498 | 261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/29 09:05 |

| S23 | 11276 | 118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/29 09:05 |
|-----|-------|----|----|----|----|----|
| S24 | 7369 | 261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96. ccls. or 261/100-102. ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/29 09:05 |
| S25 | 31922 | (118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560. ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07. ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42. ccls. or 261/62-63. ccls.) or (261/64.1. ccls. or 261/65.ccls. or 261/75-76.ccls. or | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/29 09:05 |

| | | 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.) | | | | |
|---|---|---|---|---|---|---|
| S26 | 33688 | S19 or S25 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/29 09:05 |
| S27 | 2656 | 261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42. ccls. or 261/62-63.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/29 09:05 |
| S28 | 1 | 10/813543 | US-PGPUB; USPAT | OR | ON | 2008/03/07 13:45 |
| S29 | 5 | ("4070638" \| "5569502" \| "6355561" \| "6355561" \| "6458416" \| "6458416" \| "6461436" \| "6461436").PN. | US-PGPUB; USPAT | OR | ON | 2008/03/07 14:11 |
| S30 | 4 | (acoustic adj driver) same liner | US-PGPUB; USPAT | OR | ON | 2008/03/07 15:23 |
| S31 | 963 | (acoustic ) same liner | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/07 15:25 |
| S32 | 180 | S31 and (wafer or substrate or article or workpiece) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/07 15:25 |
| S33 | 501978 | (acoustic or ultrason$2 or ultrasound or infrason$2 or infrasound or sonic or (sound adj wave)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/07 15:51 |
| S34 | 42218 | (ALD or (atomic adj layer adj deposition)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/07 15:52 |
| S35 | 1316 | S33 and S34 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/07 15:52 |
| S36 | 81 | S35 and liner | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/07 15:53 |
| S37 | 1235 | S35 not S36 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/07 15:57 |

| S38 | 43 | ("20010051440" \| "20020022318" \| "20020119245" \| "20050000942" \| "20050263489" \| "20050279381" \| "20060270242" \| "20070051700" \| "4446115" \| "5017513" \| "5022961" \| "5277835" \| "5326429" \| "5391511" \| "5472513" \| "5487398" \| "5650041" \| "5681398" \| "5800632" \| "5837662" \| "5981454" \| "6010927" \| "6074961" \| "6127282" \| "6129091" \| "6174818" \| "6200896" \| "6207565" \| "6235693" \| "6245650" \| "6315913" \| "6329299" \| "6453914" \| "6562726" \| "6589882" \| "6627548" \| "6683007" \| "6783694" \| "6830628" \| "6893893" \| "6936544" \| "6984585" \| "7008837").PN. OR ("7320942").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/03/07 16:40 |
|-----|----|------------------------------------------------------|-------------|----|----|-----------------|
| S39 | 2 | 10/285967 | US-PGPUB; USPAT; USOCR | OR | ON | 2008/03/07 16:43 |
| S40 | 209 | S35 not S36 | USPAT | OR | ON | 2008/03/07 16:49 |
| S41 | 17 | ("20010010614" \| "20030076095" \| "20030077843" \| "20040043620" \| "4760481" \| "5198380" \| "5221417" \| "5726480" \| "6076252" \| "6154346" \| "6233813" \| "6296776" \| "6330743" \| "6391216" \| "6395639" \| "6452742").PN. OR ("7105361").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/03/07 16:57 |
| S42 | 4975 | (118/715,723e).CCLS. | US-PGPUB; USPAT | OR | OFF | 2008/03/07 17:19 |

| S43 | 256 | S33 and S42 | US-PGPUB; USPAT; USOCR | OR | ON | 2008/03/07 17:20 |
| S44 | 15 | ("4190015" \| "4313783" \| "4807561" \| "4827867" \| "5180431" \| "5250114" \| "5250116" \| "5449405" \| "5489337" \| "5695817" \| "5769946" \| "5939130" \| "5985357" \| "6190063").PN. OR ("6416579").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/03/07 17:36 |
| S45 | 38849 | "0" "425" "419" | EPO | OR | ON | 2008/03/07 18:02 |
| S46 | 0 | "0425419" | EPO | OR | ON | 2008/03/07 18:03 |
| S47 | 2 | (("5387777") or ("5367139")).PN. | US-PGPUB; USPAT | OR | OFF | 2008/03/07 18:04 |
| S48 | 736 | quartz with liner | US-PGPUB; USPAT | OR | ON | 2008/03/07 18:12 |
| S49 | 345 | S48 and plasma | US-PGPUB; USPAT | OR | ON | 2008/03/07 18:13 |
| S50 | 326 | S49 and (wafer or substrate or article or workpiece) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/07 18:13 |
| S51 | 264 | S50 and (contamination or dust or particle or dirt) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/07 18:14 |
| S52 | 1 | 10/453394 | US-PGPUB; USPAT | OR | ON | 2008/03/08 22:28 |
| S53 | 2 | Gealy-F-Dan.in. | US-PGPUB; USPAT | OR | ON | 2008/03/08 22:38 |
| S54 | 341 | Basceri-Cem.in. | US-PGPUB; USPAT | OR | ON | 2008/03/08 22:38 |
| S55 | 341 | S53 S54 | US-PGPUB; USPAT | OR | ON | 2008/03/08 22:38 |
| S56 | 2 | S55 and acoustic | US-PGPUB; USPAT | OR | ON | 2008/03/08 22:49 |
| S61 | 262 | "SiF.sub.4" with precursor | US-PGPUB; USPAT | OR | ON | 2008/03/09 08:46 |
| S62 | 455 | (freon or "CF.sub.4" or "CCl.sub.2F.sub.2" or "NF.sub.3") with precursor | US-PGPUB; USPAT | OR | ON | 2008/03/09 08:58 |
| S63 | 66 | S61 and S62 | US-PGPUB; USPAT | OR | ON | 2008/03/09 08:58 |

| S64 | 241 | (acoustic or ultrason$2 or ultrasound or infrason$2 or infrasound or sonic or (sound adj wave)) with apodiz$3 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/09 11:44 |
| S65 | 49 | S64 and (hz or khz) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/09 11:50 |
| S66 | 140 | S64 and (wafer or substrate or article or workpiece) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/09 12:01 |
| S67 | 36 | S66 and (hz or khz) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/09 12:01 |
| S68 | 23 | S65 and (etch$3 or deposit$3) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/09 12:01 |
| S69 | 13 | S68 and semiconductor | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/09 12:45 |
| S70 | 7 | S64 and (semiconductor adj ( process$3 or product $3 or manufactur$3 or treat$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/09 12:48 |
| S71 | 154 | apodiz$3 and (semiconductor adj ( process$3 or product $3 or manufactur$3 or treat$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/09 12:50 |
| S72 | 86 | (acoustic or ultrason$2 or ultrasound or infrason$2 or infrasound or sonic or (sound adj wave)) and S71 | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/09 12:51 |
| S73 | 1 | ("4,518,889").PN. | US-PGPUB; USPAT | OR | OFF | 2008/03/09 15:13 |
| S74 | 15 | (quartz near3 liner) with (exhaust or foreline or outlet) | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/09 15:49 |
| S75 | 3 | liner with foreline | US-PGPUB; USPAT; USOCR; EPO; JPO | OR | ON | 2008/03/09 16:33 |
| S76 | 1 | ("5,798,016").PN. | US-PGPUB; USPAT | OR | OFF | 2008/03/09 17:18 |
| S77 | 1727 | (acoustic or vibration) with liner | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2008/03/17 13:22 |

| S78 | 394 | S77 and (wafer or substrate or article or workpiece) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2008/03/17 13:23 |
| S79 | 228 | S78 and (chamber or reactor or vessel or container) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2008/03/17 13:26 |
| S80 | 2802 | (acoustic or vibration) same liner | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2008/03/17 13:39 |
| S81 | 1075 | S80 not S77 | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2008/03/17 13:39 |
| S82 | 3 | S81 and ((deposit$3 or etch$3) near3 (chamber or reactor or vessel or container)) | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2008/03/17 13:40 |

3/17/2008 5:57:54 PM
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